About the GIS Portal Banner Images

Contributed by AGRC Administrator
14, Mar. 2008
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Banner Contest Submissions: Winners to be announced next week.

"Downtown Farmington"
Matt McCullough, Farmington City GIS.

Description:
This image is really unique! It is a 2006 aerial photo of downtown Farmington with a transparent infrared image overlaid on top of it. We used the infrared image to do an east side wetlands study a few years back. When the two images are combined and the infrared image transparency is set to just the right amount you get a very colorful and aesthetically pleasing image. The well known and popular Farmington Pond is located in the lower left hand corner of the image as well as a portion of Lagoon, the city cemetery and Woodland Park. The Davis County Courthouse and Davis School District buildings are at the center of the image. Welcome to Downtown Farmington!

"Farmington Canyon Hillshade-Aerial"
Matt McCullough, Farmington City GIS.

Description:
This image is what I like to call a "hillshade-aerial". I created it from a 2006 aerial photograph of Farmington Canyon with the new 2 meter LIDAR DEM from the AGRC underneath it. This really gives the aerial a sense of depth and striking contrast. I also chose a sage green color for the surface of the DEM hillshade to complement the green color scheme on the homepage of the Utah GIS Portal. Of all the images that I created for the contest this one was chosen first by every one that looked at them. People love the 3-dimentional feel to this image as well as the overhead look at Farmington Canyon Road that winds its way up the center of the image.

"Farmington Infraerial"
Matt McCullough, Farmington City GIS.

Description:
I just came up with the name Infraerial because that's what this image is. It is a composite 2006 aerial photograph and infrared image in an area of Farmington that is under development. The colors in this image are so strikingly different that I thought it would be appreciated for its uniqueness.

"Forest Biomass"
Richard M. Warnick, USDA Forest Service Remote Sensing Applications Center

Description:
The forest biomass dataset was produced by the USDA Forest Service Forest Inventory and Analysis (FIA) and Remote Sensing Applications Center (RSAC). The continuous 250-meter grid represents distribution of forest biomass in dry tons per acre, modeled from FIA plot data and ancillary data.

"Hitting the Links"
Jeff Ward, Summit County

Description:
This image is the Glenwild area in the Snyderville Basin of Summit County. It lies to the north of I-80 between Kimball Junction and US 40. The image was created by overlaying our parcel data with the 2006 HRO imagery and exporting to a jpg.

"Hitting the Slopes"
Jeff Ward, Summit County

Description:
This is the Old Town and Deer Valley areas in Park City also showing the ski
resorts and the city Golf Course. The image, from 2006 HRO imagery, was rotated 180° and exported
to a jpg.

"Hitting the Waves"
Jeff Ward, Summit County

Description:
This is Echo Junction and Echo Reservoir, 2006 HRO imagery, rotated a bit and exported to a jpg.

"MODIS View of Southern Utah, 2003191"
Richard M. Warnick, USDA Forest Service Remote Sensing Applications Center

Description:
Cloud-free MODIS Natural Color Image taken on September 23, 2002. The dataset is from the Moderate Resolution Imaging Spectroradiometer (MODIS) instrument aboard the NASA Terra satellite. MODIS bands 1,4,3 = RGB. Features visible: Zion National Park, Grand Staircase, Lake Powell, Henry Mountains (with wildfire smoke), San Juan River, Dark Canyon, Comb Ridge.

"NW from the Antelope Causeway No1"
Steve Weeks, Young Electric Sign Co.

Description:
not available

"NW from the Antelope Causeway No.2"
Steve Weeks, Young Electric Sign Co.

Description:
not available

"Orem Cemetery Plots"
Roger Dunn, City of Orem

Description:
The cemetery map is maintained in real time by the Cemetery Billing Program, which now has a GIS component. The color of individual plots is dependent on its occupancy and payment status. On one side of the scale you have green for "Available for sale", and on the other you have red for interred and still owing money on the plot.

"Orem Utility Networks"
Roger Dunn, City of Orem

Description:
Orem City maintains very good utility layers, such as our water supply network, our wastewater network, storm drain network, and street light locations. This map is a sampling of the collective utilities for a small portion of the city.

"Shortest Detour"
Roger Dunn, City of Orem

Description:
Orem City's Centerline layer is maintained in a networked feature class in ArcSDE and can be traced using the Utility Network Analyst toolbar that comes with ArcView. This screenshot shows a network trace with two "street construction" barriers that prevent a more direct path of travel between the two green square points.

"Things That Go Downhill"
Lucas Shaw, Utah Geological Survey - Geologic Hazards Program

Description:
Lately most of our time has been spent looking at the consequences of damaging landslides and debris flows. The background image is a 3-D scene showing areas of landslide susceptibility in Davis & Weber Counties, Utah. The photo collage clockwise from the logo shows a landslide scarp in Springdale, Washington County; a landslide GPS monitoring station outside Zion National Park, Kane County; and GPS data collection after a fire-related debris flow near Santaquin, Utah County.

"The View From Lehi"
Steve Richardson, Questar Exploration & Production

Description:
Perspective view stretching 80 degrees from Lone Peak to Mt. Timpanogos as seen from Lehi, 50 meters above ground level. The image was made using NAIP 2006 color orthophotographs draped over a 2006 5-meter LiDAR digital elevation model, both downloaded from the Utah GIS Portal. The scene uses a backdrop of sky painting by Heinrich Berann. The scene was created entirely within Peter Guth's freeware GIS program Microdem.

Additonal note: There are no copyright restrictions the use of this particular Berann painting:
http://www.shadedrelief.com/berann/index.html